



# TESTING, RESEARCH, CONSULTING AND FIELD SERVICES

Austin, TX - USA | CA - USA | SC - USA | Gold Coast - Australia | Suzhou - China | Sao Paulo, Brazil | Johannesburg - Africa

July 13, 2021

**Mail To:**

**Jake Shay**  
**SOX Erosion Solutions**  
950 Peninsula Corporate Circle  
Suite 2020  
Boca Raton, FL 33487

email: [jake@soxerosion.com](mailto:jake@soxerosion.com)

**Bill To:**

<= Same

Dear Mr. Shay:

Thank you for consulting TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs.  
TRI is pleased to submit this final report of the laboratory testing for the sample(s) listed below.

Project:	<b>Geotextile Testing</b>
TRI Job Reference Number:	64582
Material(s) Tested:	One, Sample T2 Single Layer
Test(s) Requested:	UV Resistance (ASTM D 4355)

If you have any questions or require any additional information, please call us at 1-800-880-8378

Sincerely,

A handwritten signature in black ink, appearing to read 'Mansukh Patel', written over a light blue horizontal line.

Mansukh Patel  
Laboratory Manager  
Geosynthetic Services Division

\*Signature is on file



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## GEOTEXTILE TEST RESULTS TRI Client: SOX Erosion Solutions Project: Geotextile Testing

Material: Mesh Geotextile

Sample Identification: Sample T2 Single Layer

TRI Log #: 64582

PARAMETER	TEST REPLICATE NUMBER					MEAN	STD. DEV.	PERCENT RETAINED
	1	2	3	4	5			
UV Resistance (ASTM D 4355)								
Strength Retained measured via strip tensile (ASTM D 5035)								
MD - Tensile Strength (lbs) - B	83.1	78.9	97.9	90.2	82.0	86.4	7.6	
MD - Tensile Strength (ppi) - B	41.6	39.5	49.0	45.1	41.0	43.2	3.8	
MD - Tensile Strength (N) - B	370	351	436	401	365	385	34	
MD - Tensile Strength (kN/m) - B	7.28	6.91	8.58	7.90	7.18	7.57	0.67	
MD - Tensile Strength (lbs) - E	53.7	51.6	52.2	50.4	54.1	52.4	1.5	61
MD - Tensile Strength (ppi) - E	26.9	25.8	26.1	25.2	27.1	26.2	0.8	
MD - Tensile Strength (N) - E	239	230	232	224	241	233	7	
MD - Tensile Strength (kN/m) - E	4.70	4.52	4.57	4.42	4.74	4.59	0.13	
TD - Tensile Strength (lbs) - B	130.5	116.8	121.6	97.9	123.2	118.0	12.3	
TD - Tensile Strength (ppi) - B	65.25	58.40	60.80	48.95	61.60	59.00	6.13	
TD - Tensile Strength (N) - B	580.7	519.8	541.1	435.7	548.2	525.1	54.6	
TD - Tensile Strength (kN/m) - B	11.43	10.23	10.65	8.58	10.79	10.34	1.07	
TD - Tensile Strength (lbs) - E	69.2	67.7	53.2	56.4	61.5	61.6	6.9	52
TD - Tensile Strength (ppi) - E	34.6	33.85	26.60	28.20	30.75	30.80	3.47	
TD - Tensile Strength (N) - E	307.9	301.3	236.7	251.0	273.7	274.1	30.9	
TD - Tensile Strength (kN/m) - E	6.06	5.93	4.66	4.94	5.39	5.40	0.61	
MD - Elong. @ Max. Load (%) - B	18	18	17	16	17	17	1	
MD - Elong. @ Max. Load (%) - E	13	14	12	13	13	13	1	
TD - Elong. @ Max. Load (%) - B	35	32	30	29	29	31	2	
TD - Elong. @ Max. Load (%) - E	21	19	21	21	20	20	1	
B - Baseline Unexposed E - Exposed for 500 hours of ASTM D 4355 Cycle								
MD Machine Direction                      TD Transverse Direction								